



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)



Bid Data Sheet

CONFIRMATION NO. 9144

SERIAL NUMBER 10/055,174	FILING DATE 01/25/2002 RULE	CLASS 424	GROUP ART UNIT 1645	ATTORNEY DOCKET NO. 000295.00014
-----------------------------	-----------------------------------	--------------	------------------------	--

## APPLICANTS

Robert E. Briggs, Boone, IA;  
Fred M. Tatum, Ames, IA;

## \*\* CONTINUING DATA \*\*\*

THIS APPLICATION IS A DIV OF 09/245,331 02/05/1999 ABW  
WHICH IS A CIP OF 09/160,340 09/25/1998 PAT 6,331,303  
WHICH CLAIMS BENEFIT OF 60/060,060 09/25/1997

## \*\* FOREIGN APPLICATIONS \*\*\*

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 04/19/2002

Foreign Priority claimed	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY IA	SHEETS DRAWING 6	TOTAL CLAIMS 31	INDEPENDENT CLAIMS 6
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no Met after Allowance				
Verified and Acknowledged	Examiner's Signature Initials				

## ADDRESS

22907

## TITLE

LktA deletion mutant of P. haemolytica

FILING FEE RECEIVED 1190	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
-----------------------------	---	---